MidTeQ PULSE

Energy management system

MidTeQ PULSE is the intelligent energy management system that integrates all MidTeQ components. It optimizes solar energy usage for maximum efficiency and savings, and controls multiple devices from a single point.



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Operating modes

DIN
Rail mounting — easy installation

4G/LTE
Optional connectivity

Core function

- **Intelligent energy management system** integrating all MidTeQ components.
- **Optimizes solar energy usage** for maximum efficiency and savings.
- **Multiple devices control** — charging station, energy meter, battery system, PV inverter, heat pump.
- **Smart energy savings** — intelligent trading with dynamic electricity tariffs.**

Operating modes & installation

- Cost optimization.
- Self-consumption optimization.
- Peak reduction.
- **Easy installation** — suitable for DIN rail.
- **Control interfaces** — RS485, Modbus TCP (RJ45), HTTP API, 4G/LTE (optional).
- **Configuration** via online portal (pulse.midteq.com) and mobile app.

Technical specifications

Model	MidTeQ PULSE OM1
GENERAL DATA	
Housing	Suitable for DIN rail mounting
Dimensions	102 mm × 73 mm × 35 mm
Weight	500 g
Ambient temperature	-25 °C → +60 °C
Power supply	12 V / 2 A power adapter
INTERFACES & COMMUNICATION	
Interfaces	Charging station, energy meter, battery system, PV inverter, heat pump
Control	RS485, Modbus TCP (RJ45), HTTP API, 4G/LTE (optional)
Digital meter interface	P1 (RJ11 to USB cable optional)
Network	1 × RJ45 Gigabit Ethernet
Configuration	Online portal (pulse.midteq.com) and mobile app
OPERATING MODES	
Operating modes	Cost optimization, self-consumption optimization, peak reduction

** Participation in energy trading depends on regulatory conditions and your energy supplier. MidTeQ PULSE is technologically ready for it.

Specifications are subject to change without notice.